A logic identifying isomorphic propositions

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The paper has been withdrawn since we have found an error in the proof of strong normalisation and a counter-example for such a property:

Let

$$
\begin{aligned}
&y : \tau \\
&z : \tau \Rightarrow \tau \Rightarrow \tau \\
&\delta = \lambda x^{\tau}.\pi_{\tau\Rightarrow\tau}((zy) \times x)x : \tau \Rightarrow \tau \\
&\Omega = \delta(\delta y)
\end{aligned}
$$

Then

$$
\begin{aligned}
\Omega &\hookrightarrow \pi_{\tau\Rightarrow\tau}((zy) \times (\delta y))(\delta y) \\
&\leftrightarrows \pi_{\tau\Rightarrow\tau}((z \times \delta)y)(\delta y) \\
&\leftrightarrows \pi_{\tau\Rightarrow\tau\Rightarrow\tau}(z \times \delta)y(\delta y) \\
&\leftrightarrows \pi_{\tau\Rightarrow\tau\Rightarrow\tau}(z \times \delta)(\delta y)y \\
&\leftrightarrows \pi_{\tau\Rightarrow\tau}((z \times \delta)(\delta y))y \\
&\leftrightarrows \pi_{\tau\Rightarrow\tau}((z(\delta y) \times \Omega)y
\end{aligned}
$$